

FIG. 1

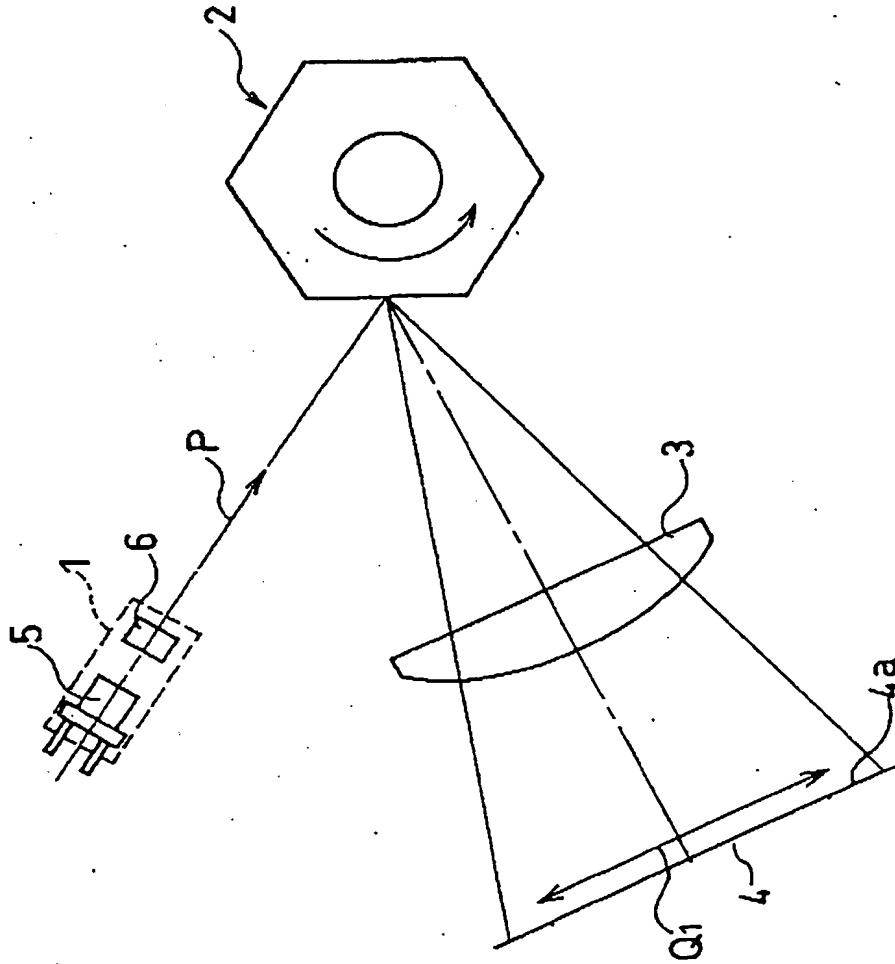


FIG. 2

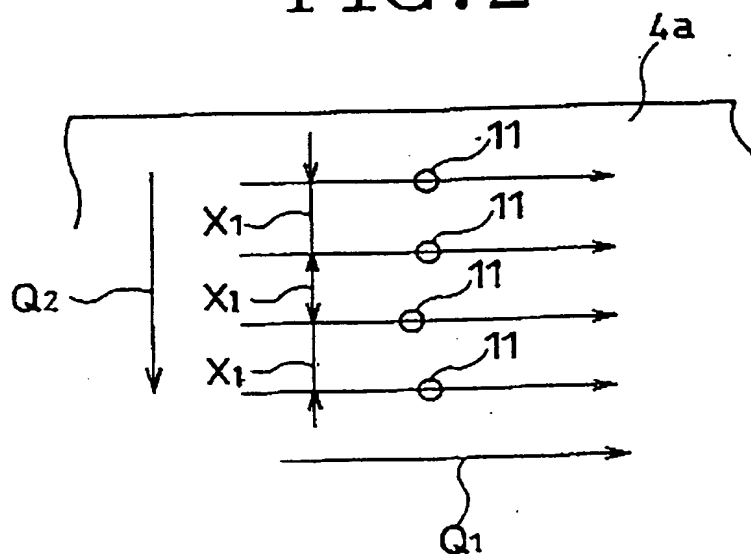
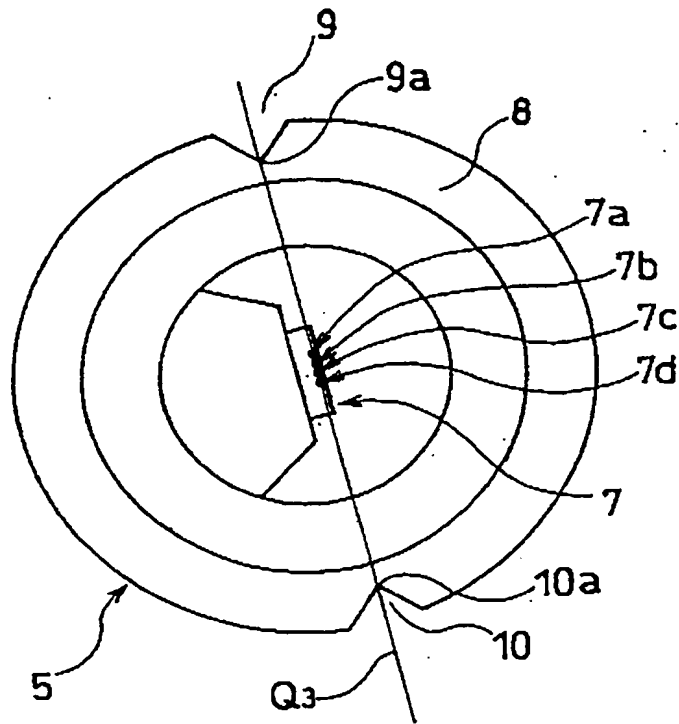


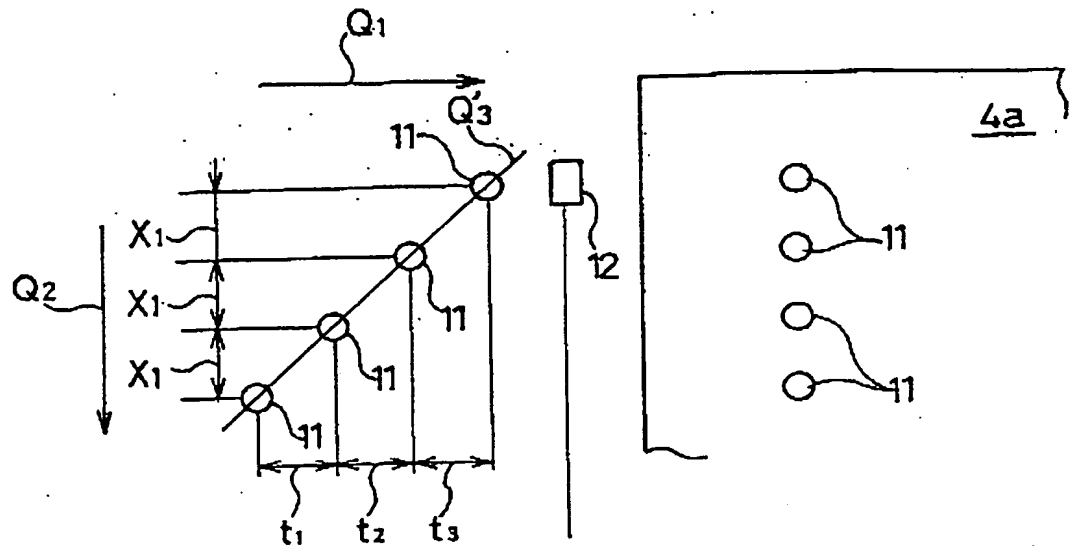
FIG. 3



Write after $t = t_0'$ from
when a beam spot is detected by a sensor

Detect the head beam spot at $t = t_0$

FIG. 5(a)



Detect the head beam spot 11 at $t = t_0$

FIG. 5(b)

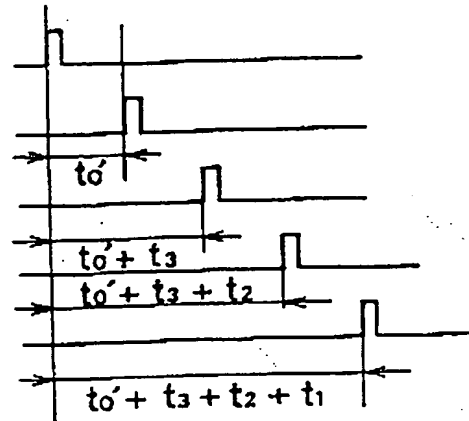


FIG. 6

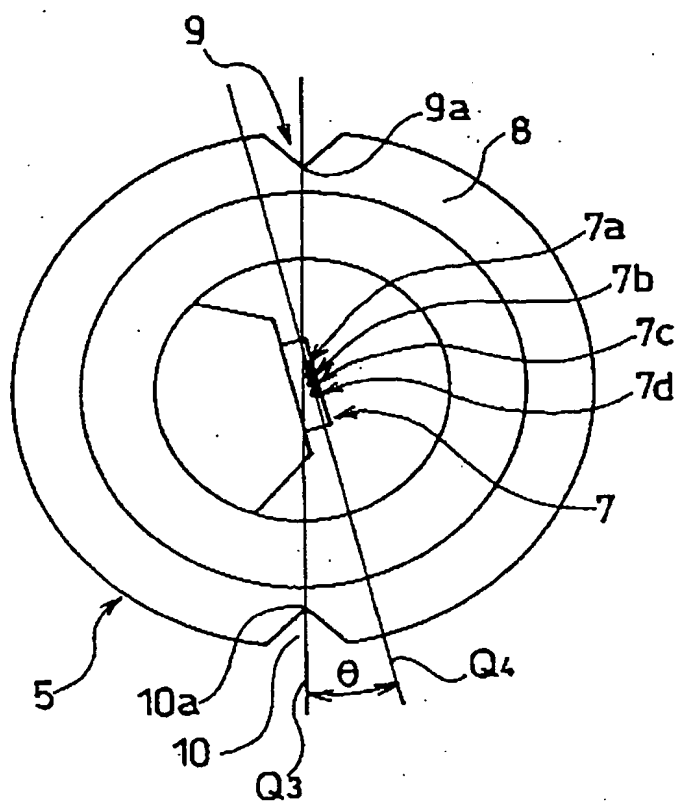


FIG. 7

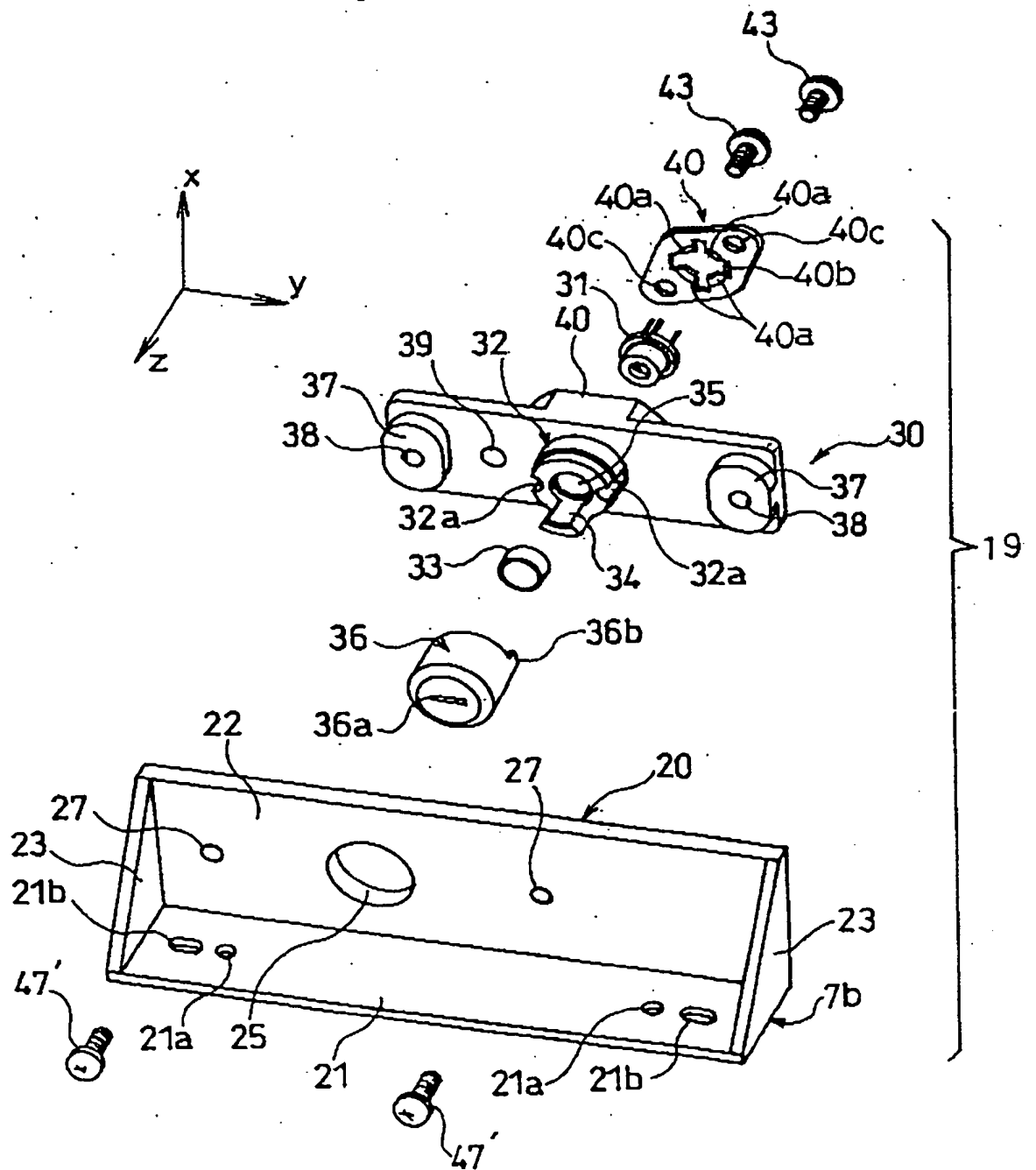


FIG. 8

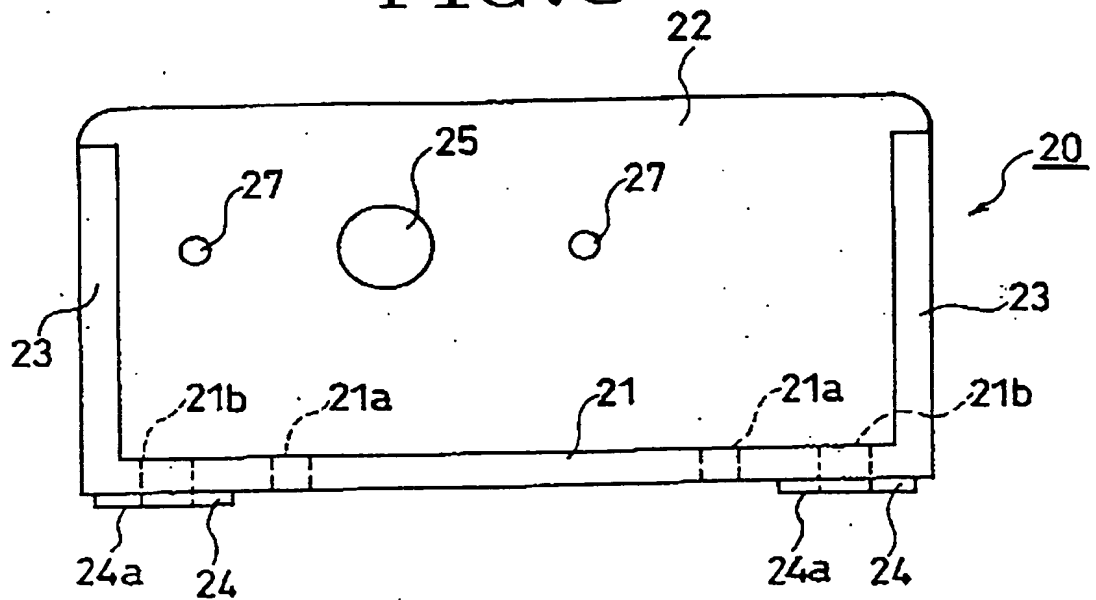


FIG. 9

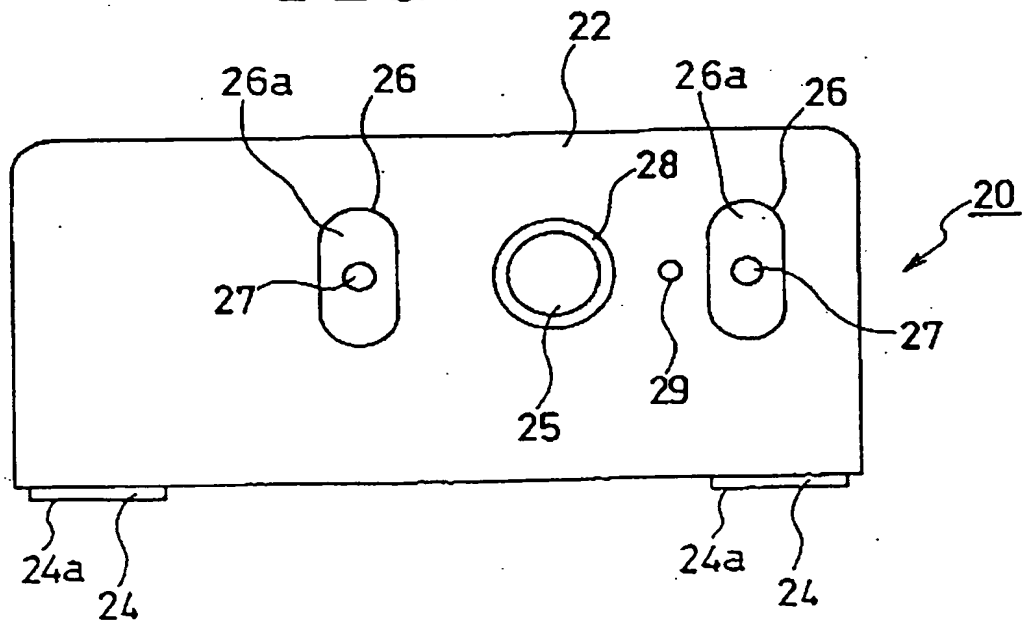


FIG. 10

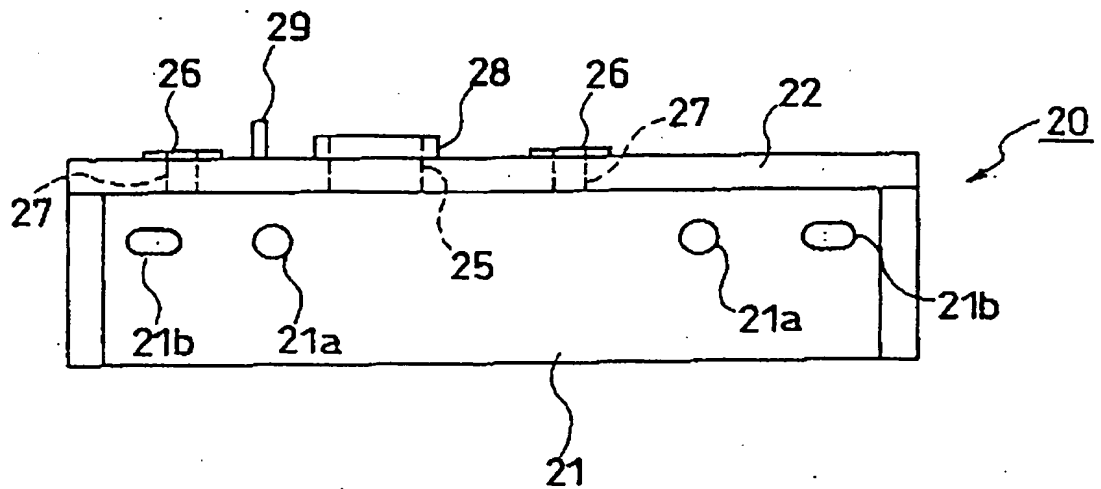


FIG. 11

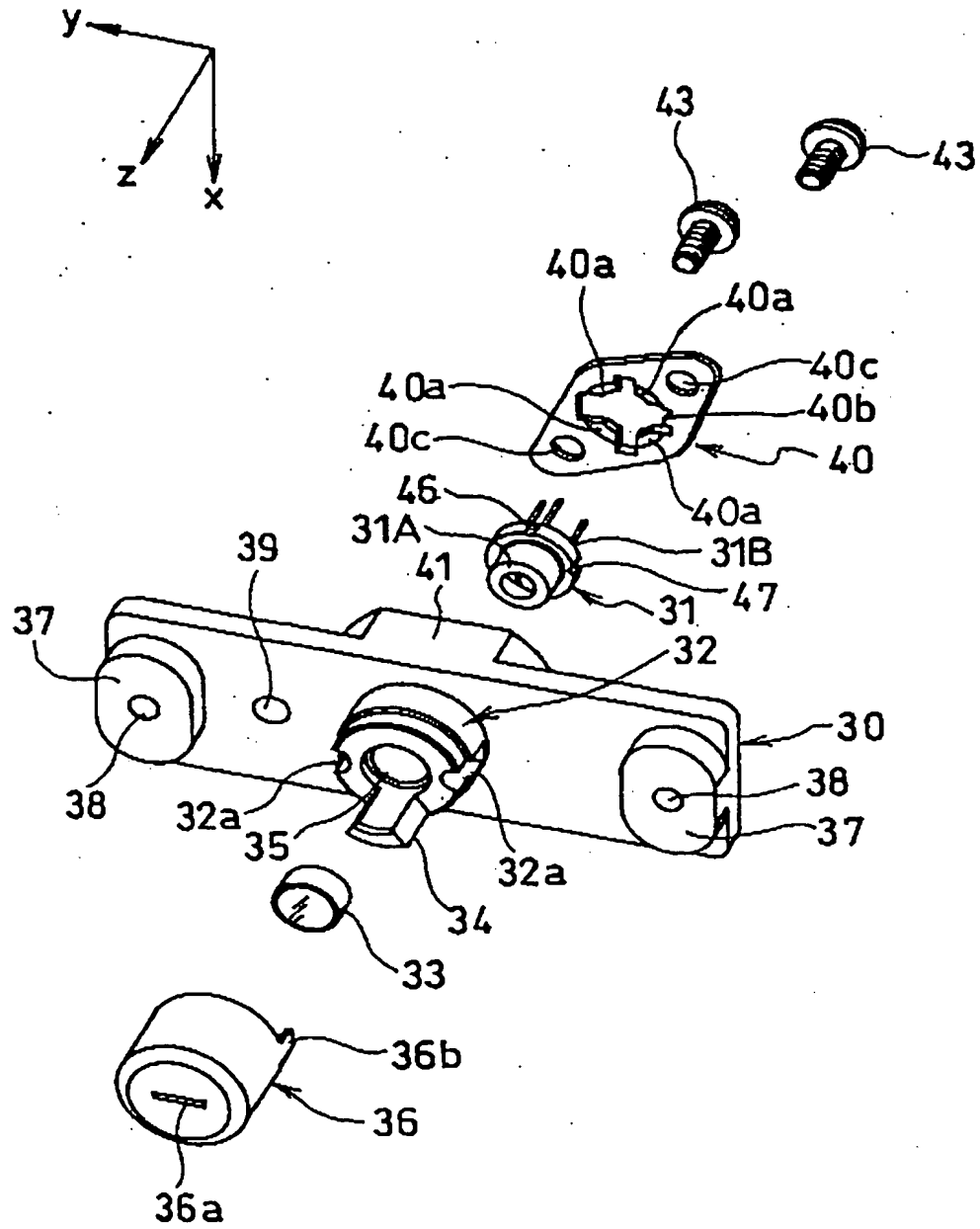


FIG. 12

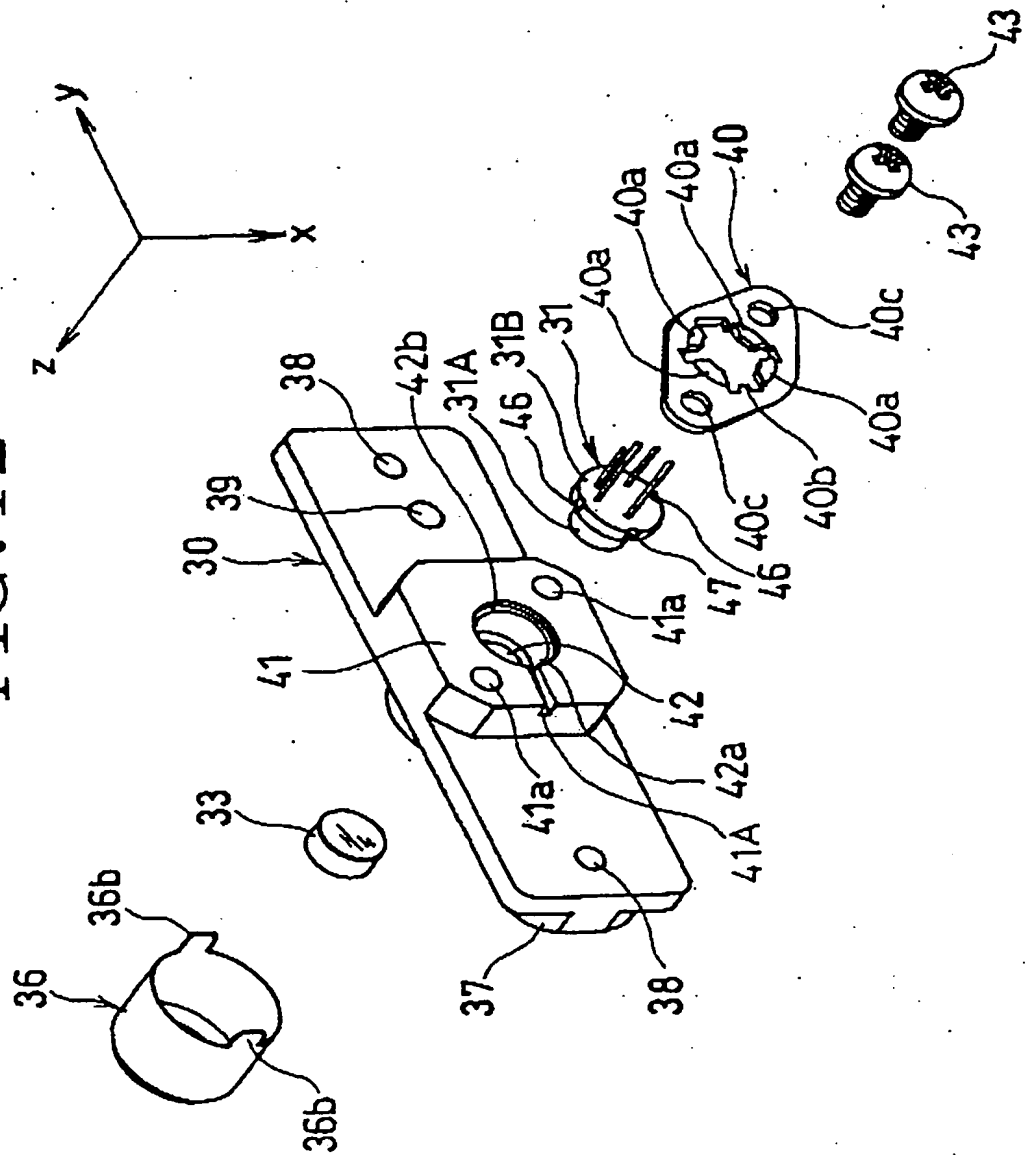
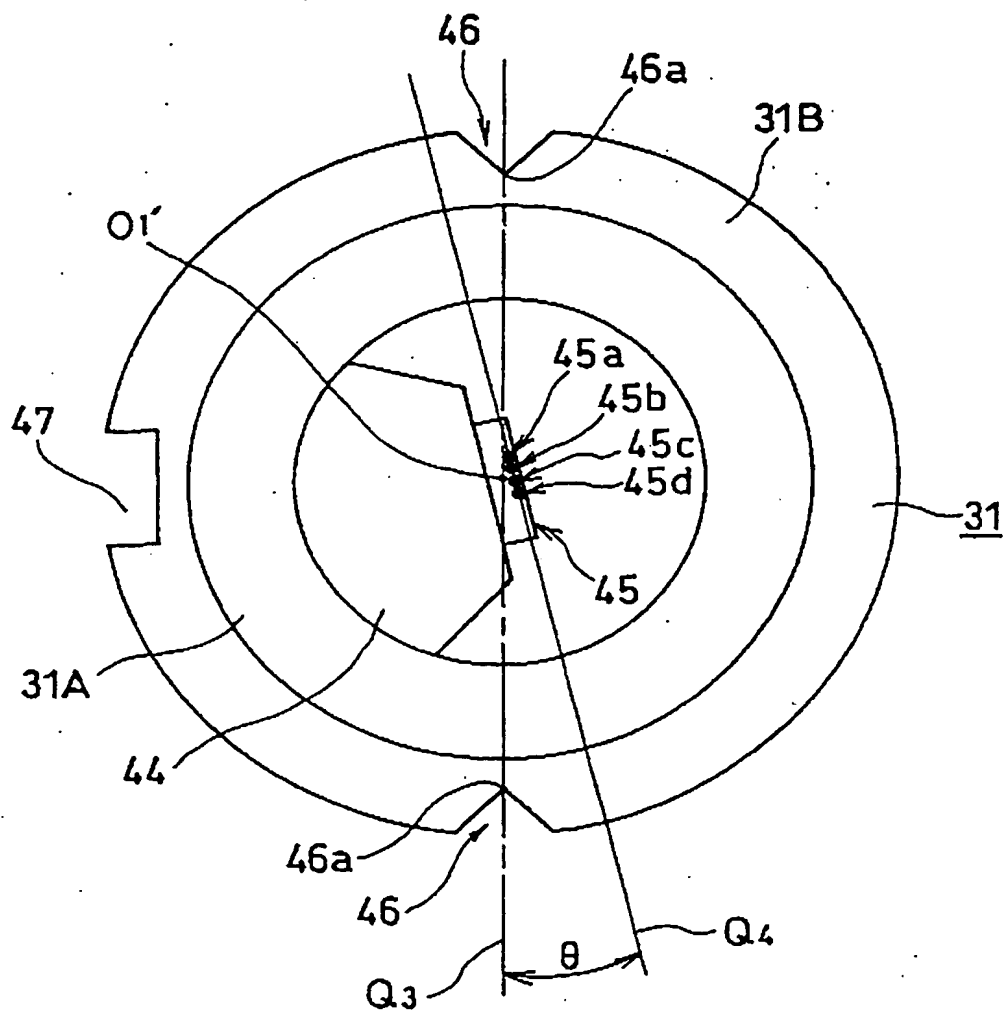


FIG. 13



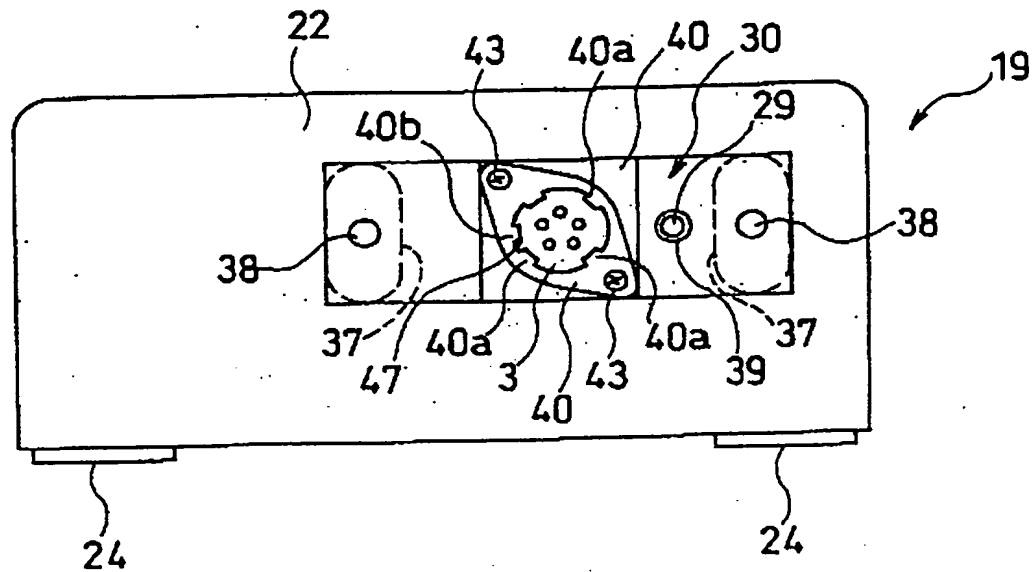
[illegible]

FIG. 15

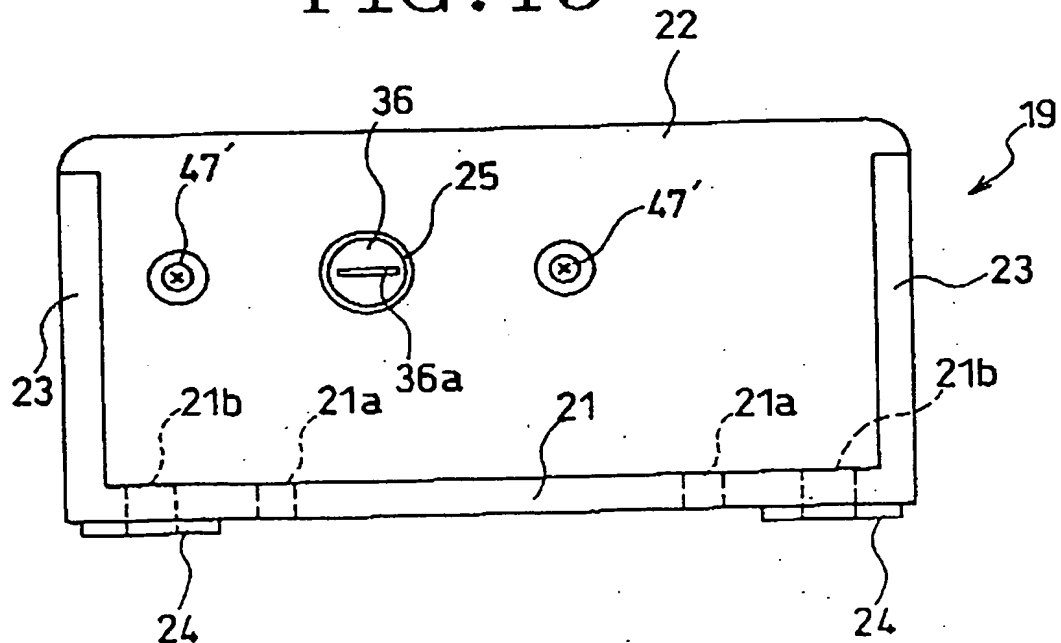


FIG. 16

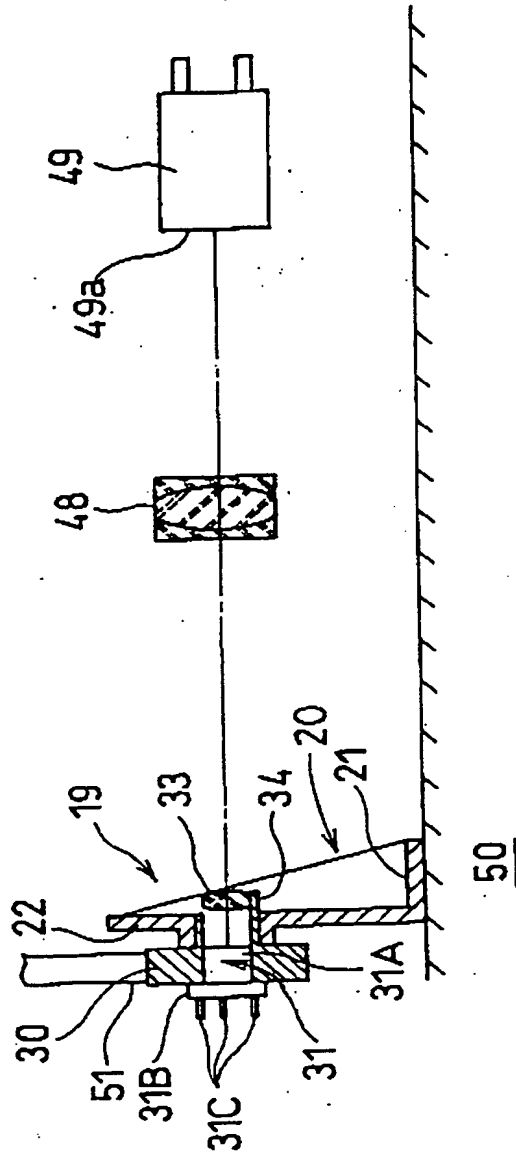


FIG. 17

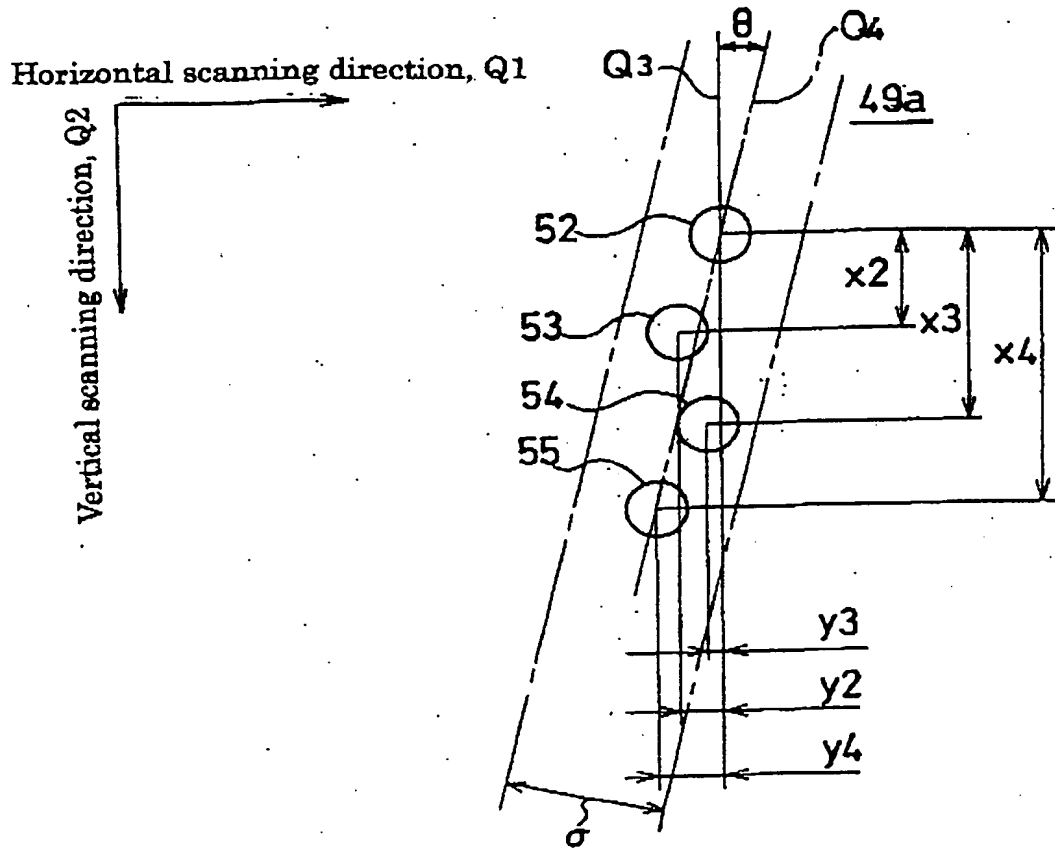


FIG. 18

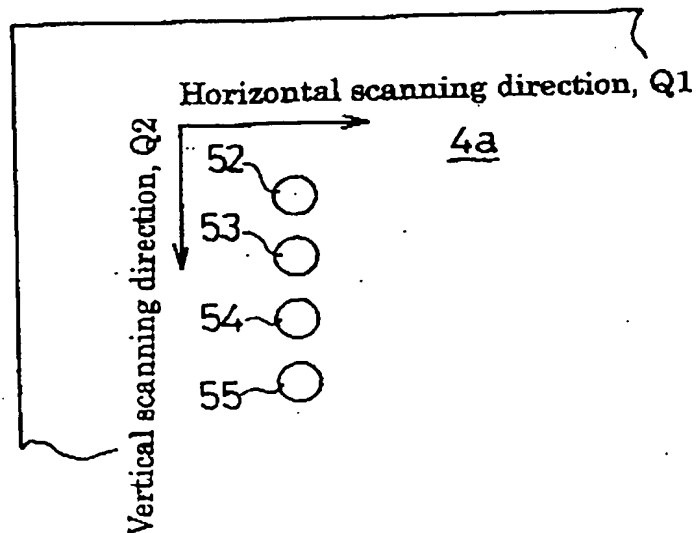


FIG. 19

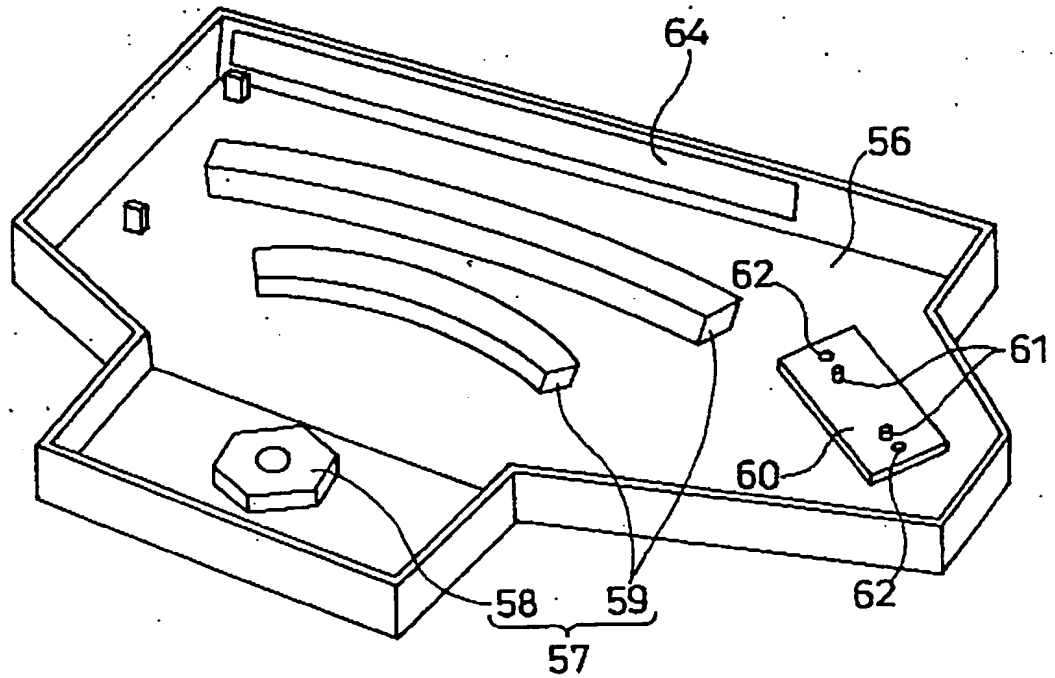


FIG. 20

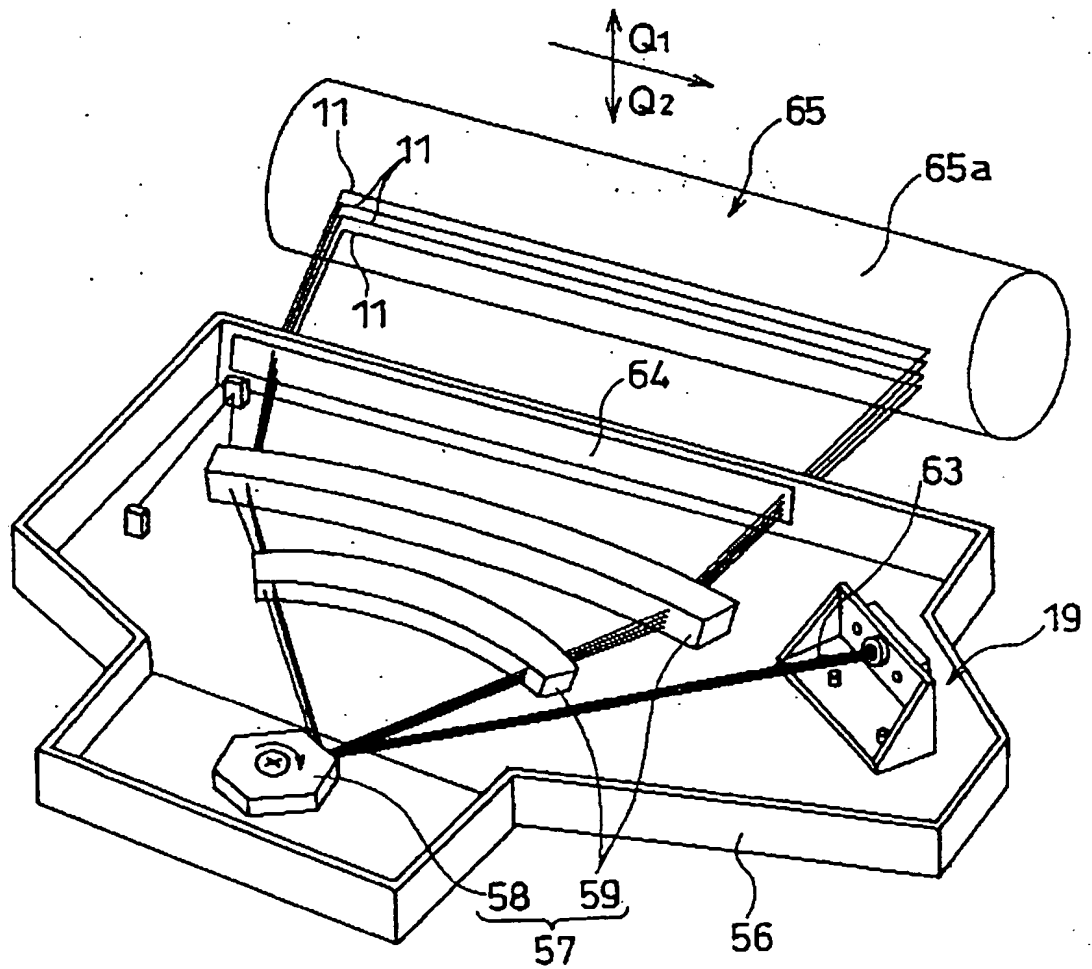


FIG. 21

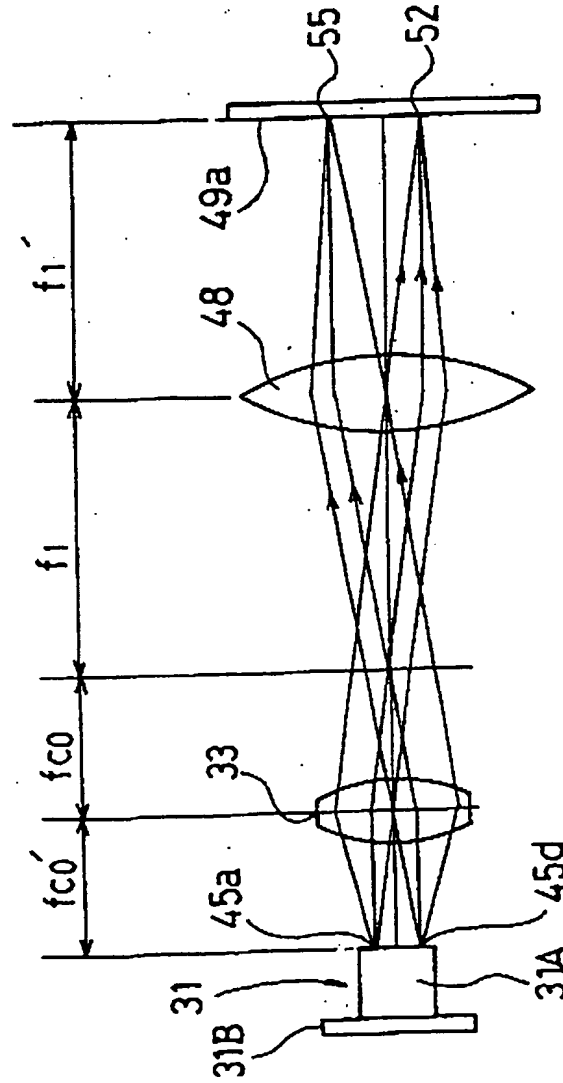


FIG. 22

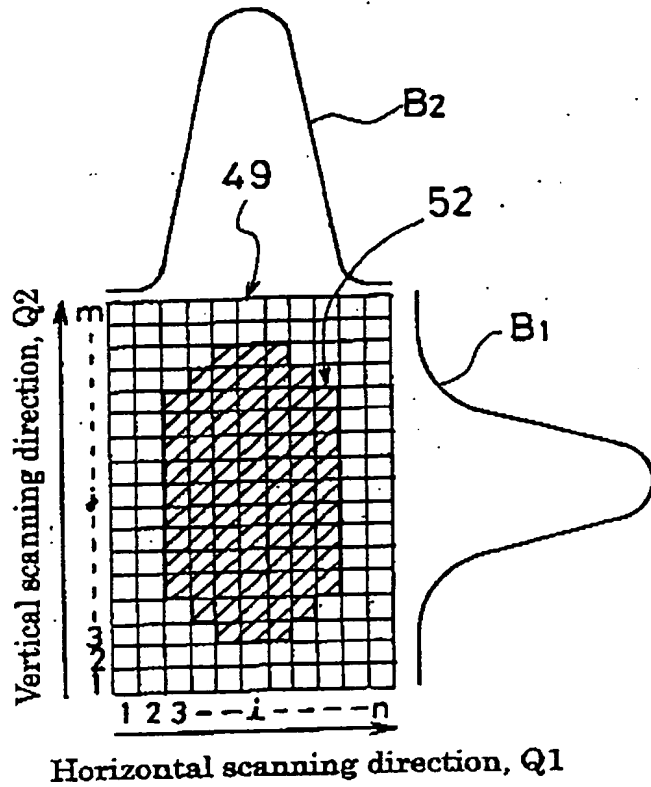


FIG. 23

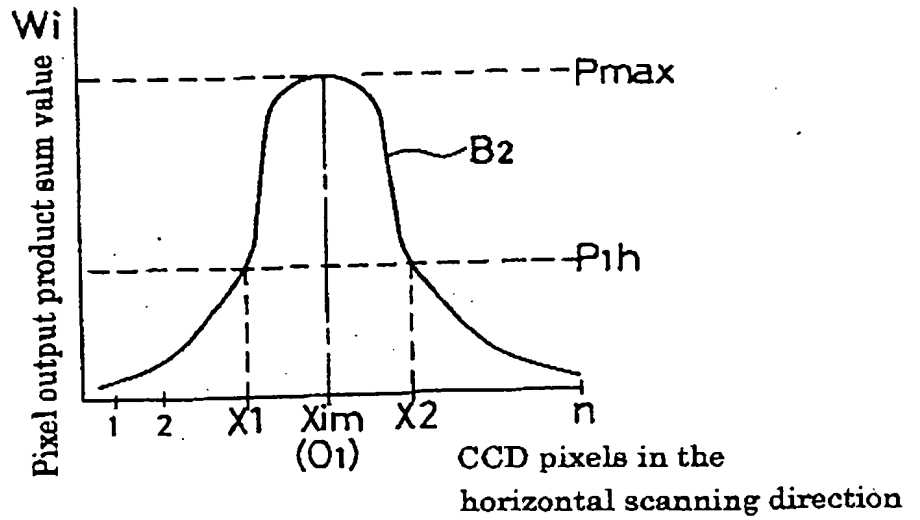


FIG. 24

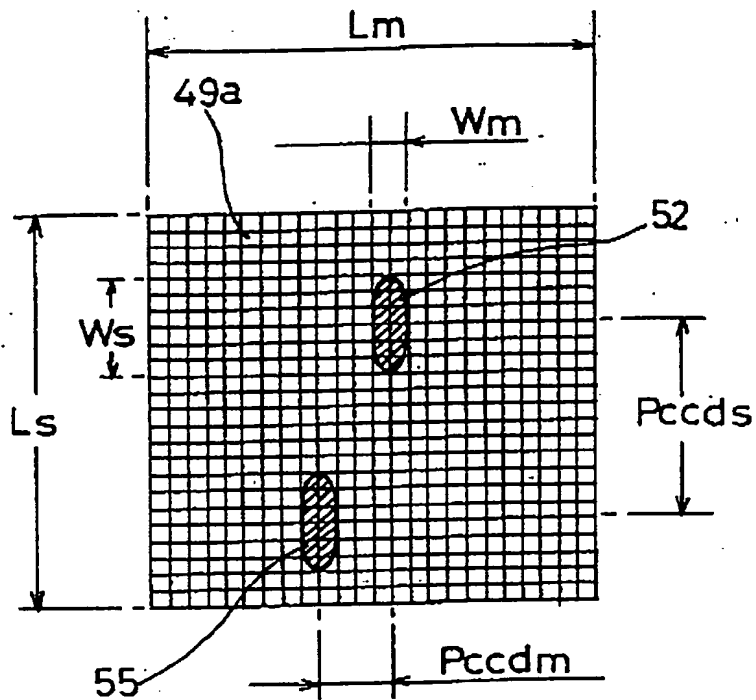


FIG. 25

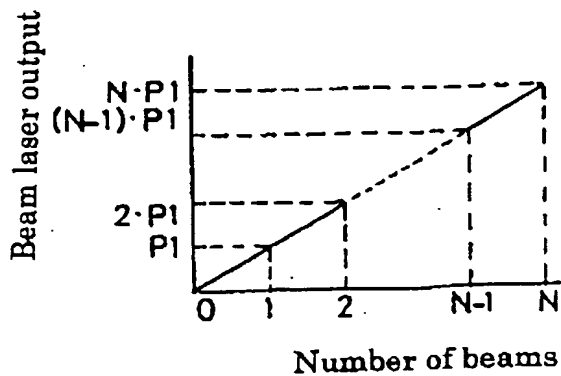


FIG. 26

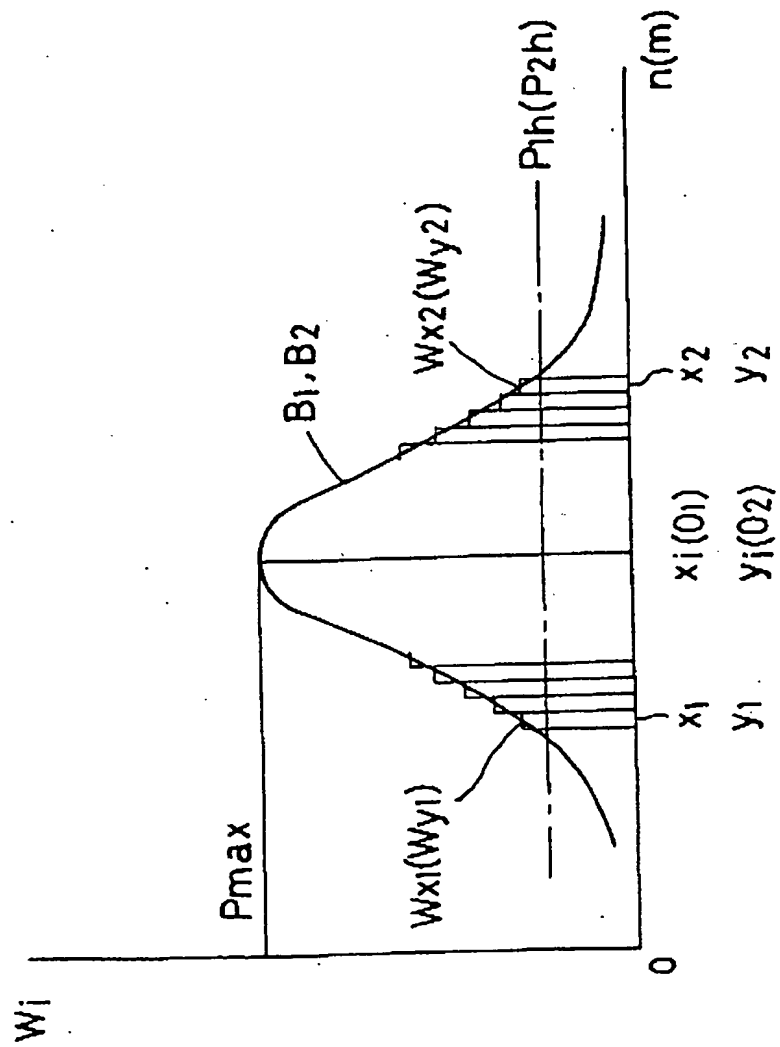


FIG. 27

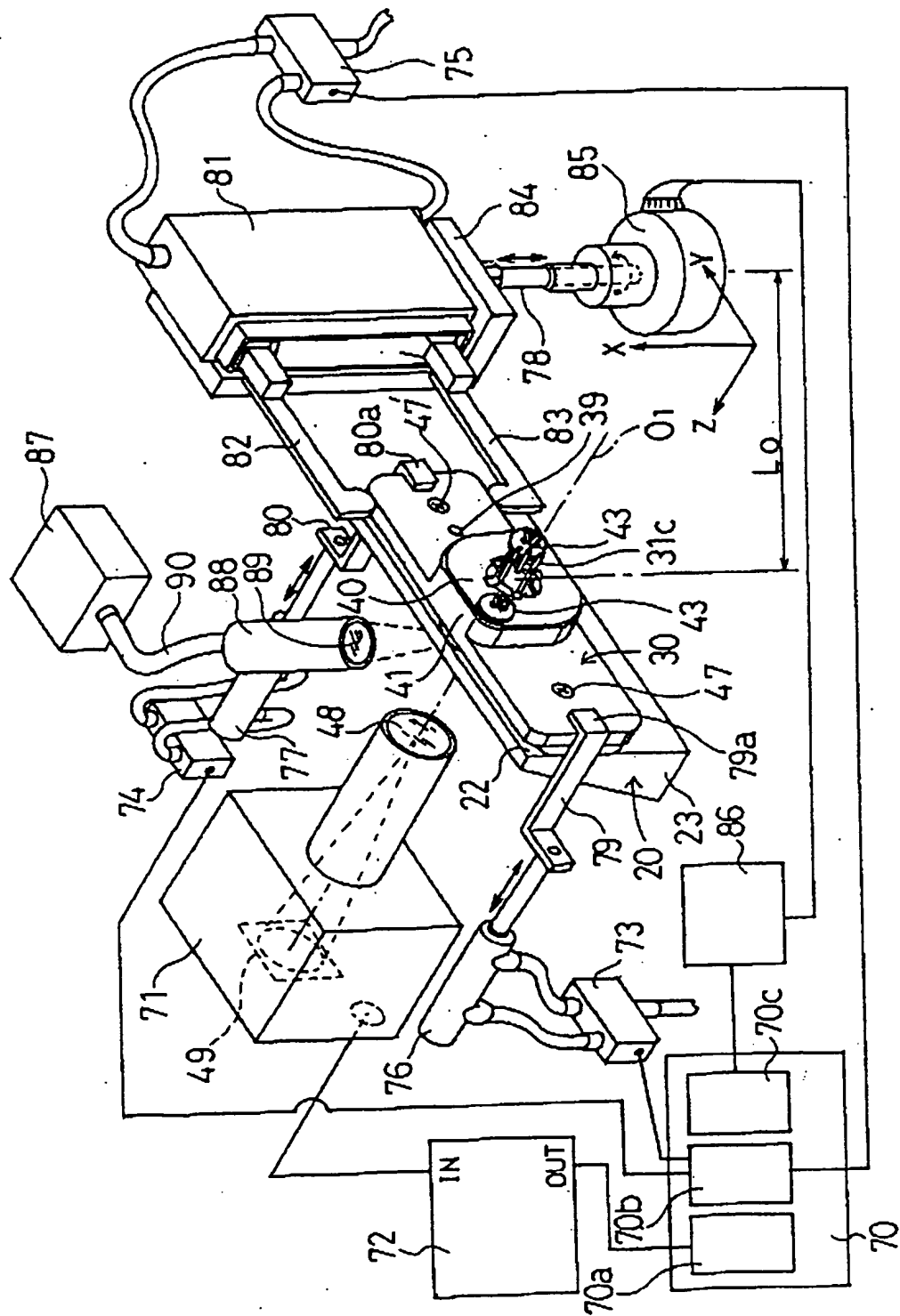


FIG. 28

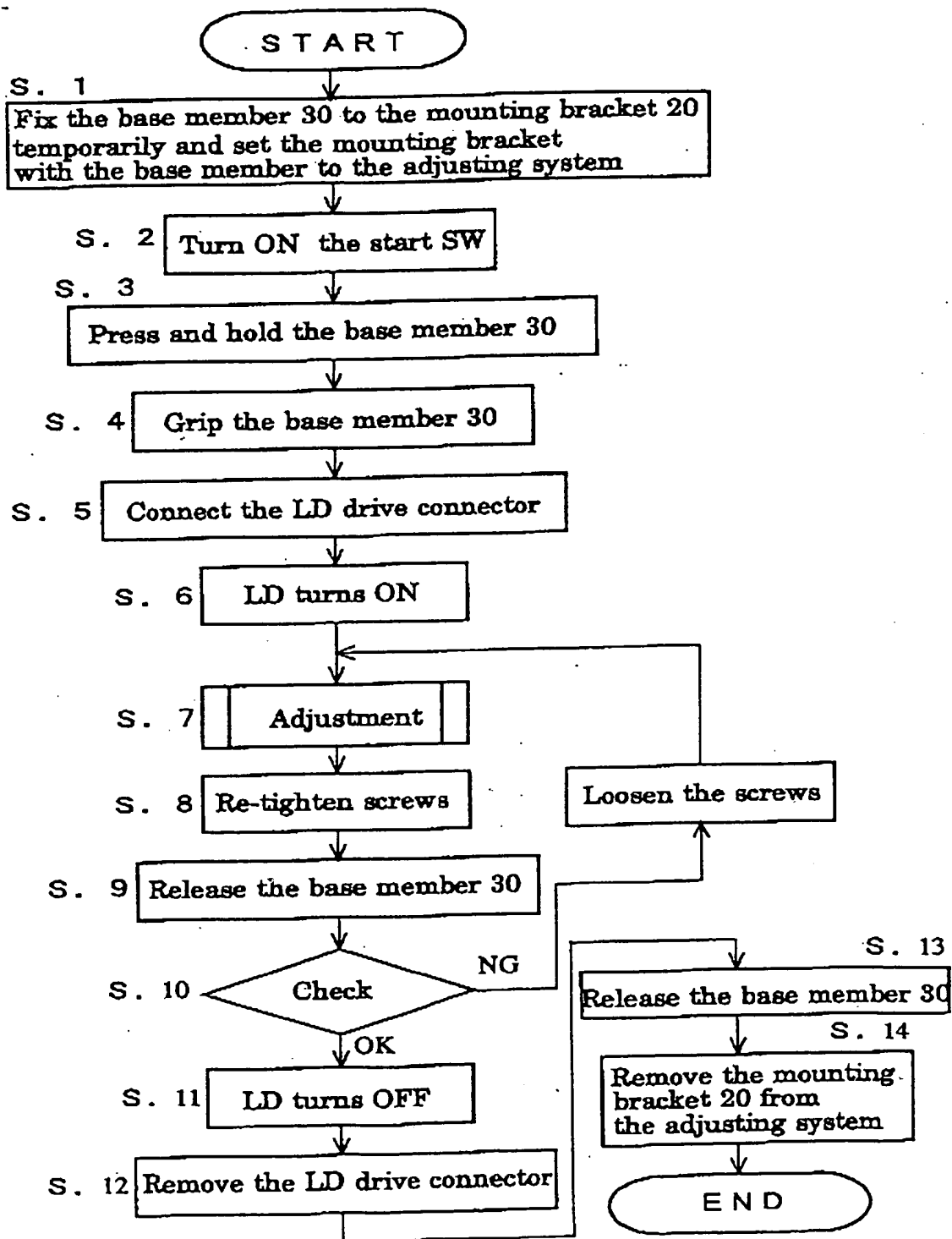


FIG. 29

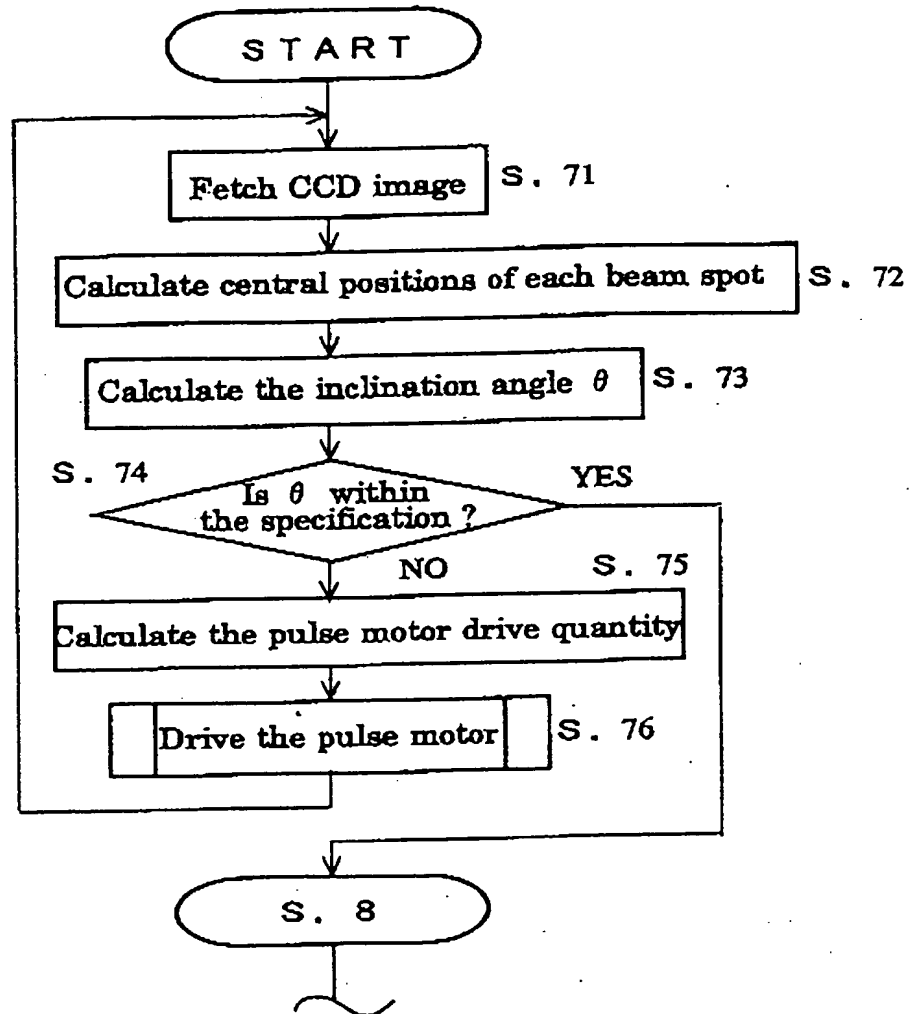


FIG. 30

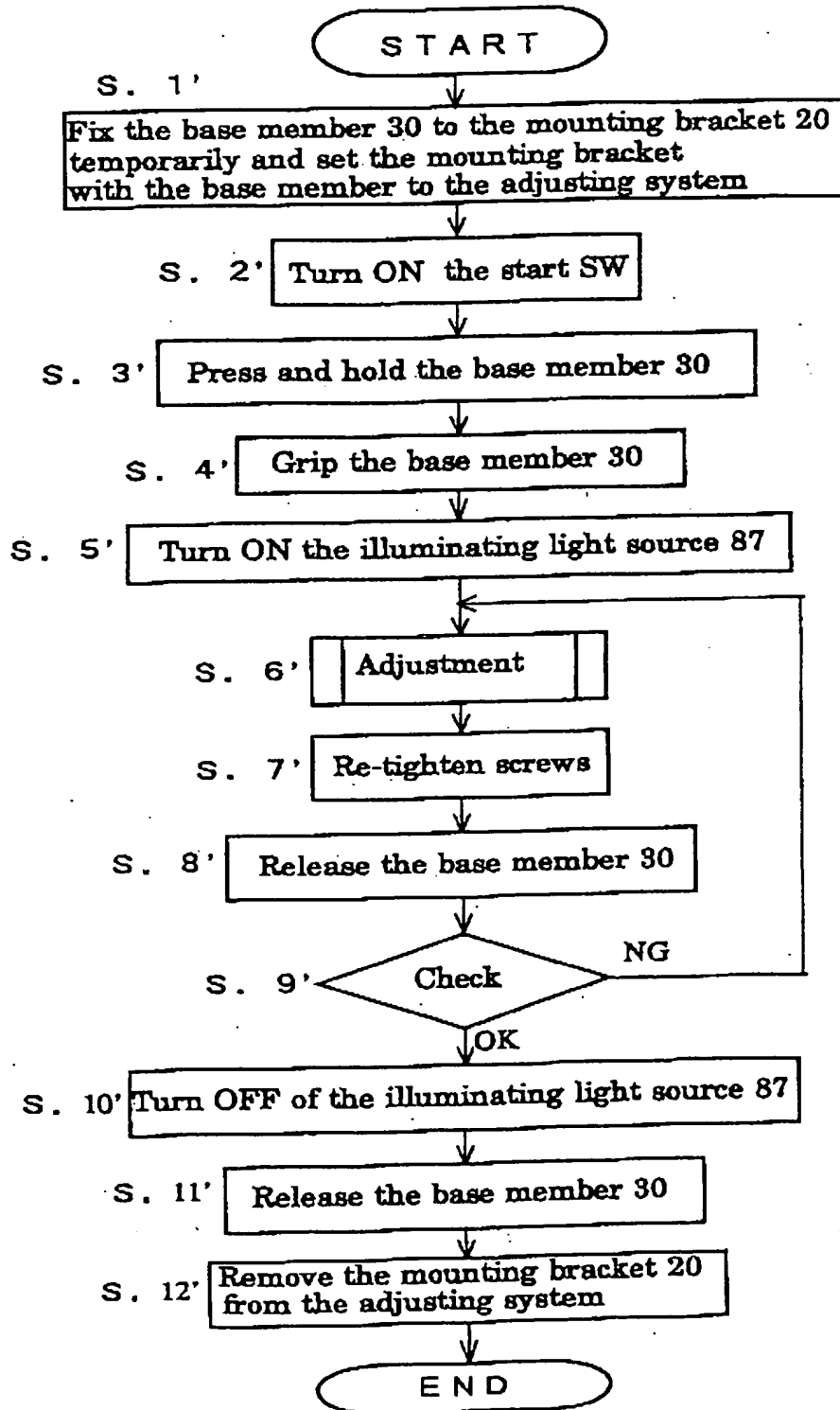


FIG. 31

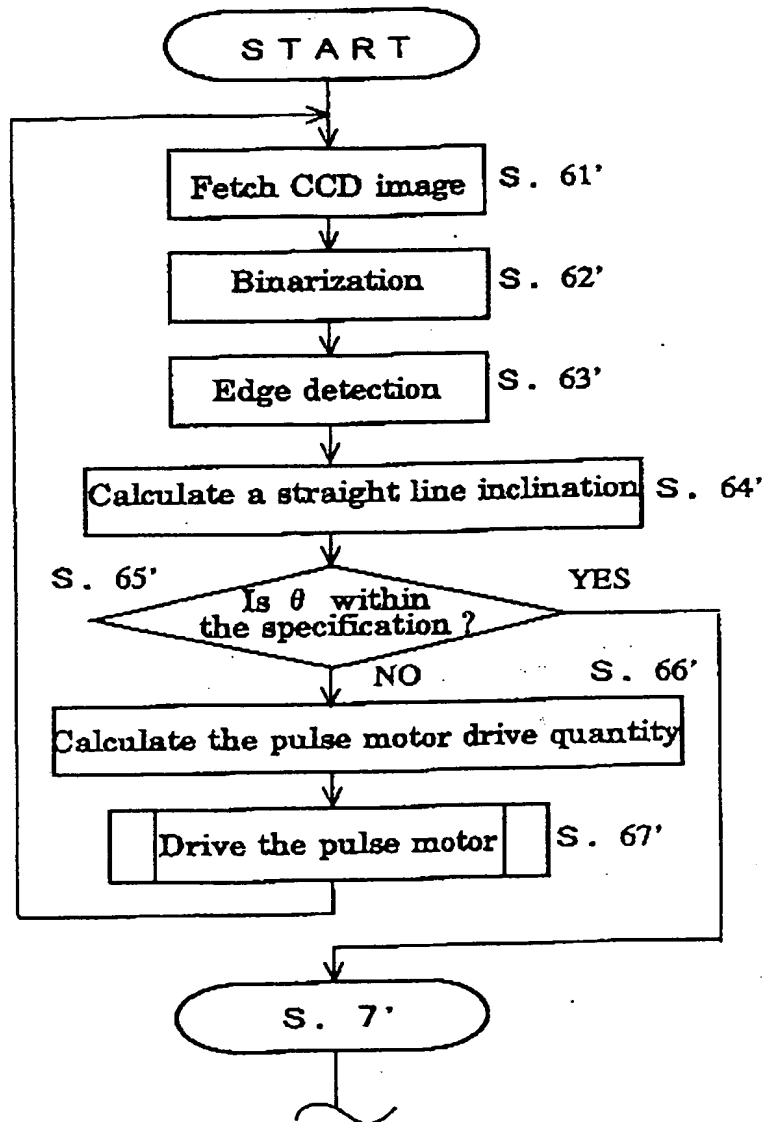


FIG. 32(a) FIG. 32(b)

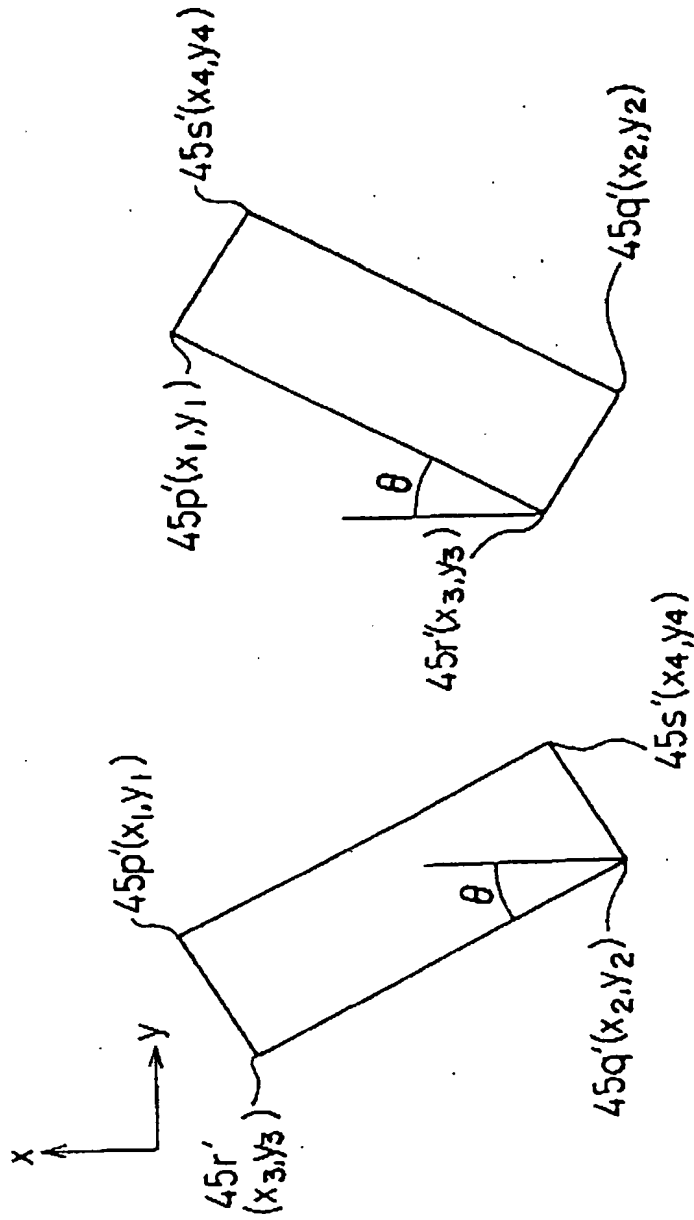


FIG. 33

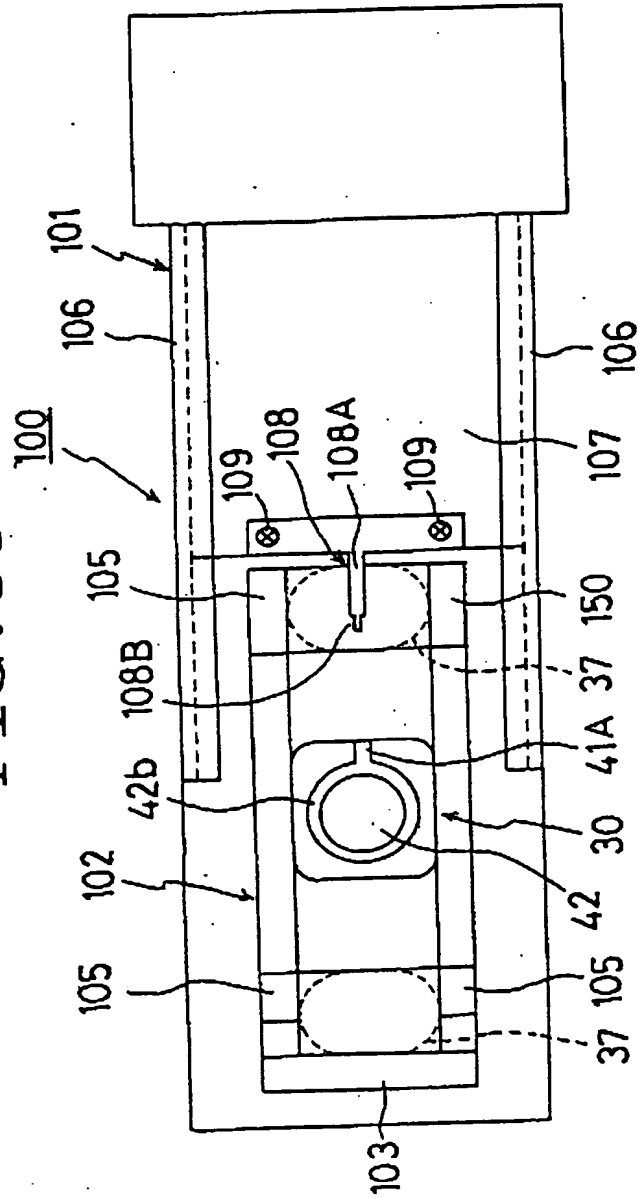


FIG. 34

